Ziqi Sun

List of Publications by Year
in descending order

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155 papers	11,420 citations	22153 59 h-index	30922 102 g-index
172 all docs	172 docs citations	172 times ranked	14745 citing authors

#	Article	IF	Citations
1	Generalized self-assembly of scalable two-dimensional transition metal oxide nanosheets. Nature Communications, 2014, 5, 3813.	12.8	741
2	Fabrication of symmetric supercapacitors based on MOF-derived nanoporous carbons. Journal of Materials Chemistry A, 2014, 2, 19848-19854.	10.3	419
3	Rational Design of 3D Dendritic TiO₂ Nanostructures with Favorable Architectures. Journal of the American Chemical Society, 2011, 133, 19314-19317.	13.7	387
4	Nanoarchitectured Structure and Surface Biofunctionality of Mesoporous Silica Nanoparticles. Advanced Materials, 2020, 32, e1907035.	21.0	336
5	Twoâ€Dimensional Metal Oxide Nanomaterials for Nextâ€Generation Rechargeable Batteries. Advanced Materials, 2017, 29, 1700176.	21.0	317
6	Atomic Layerâ€byâ€Layer Co₃O₄/Graphene Composite for High Performance Lithiumâ€Ion Batteries. Advanced Energy Materials, 2016, 6, 1501835.	19.5	316
7	Flyâ€Eye Inspired Superhydrophobic Antiâ€Fogging Inorganic Nanostructures. Small, 2014, 10, 3001-3006.	10.0	290
8	Graphene Nanoarchitectonics: Recent Advances in Grapheneâ€Based Electrocatalysts for Hydrogen Evolution Reaction. Advanced Materials, 2019, 31, e1903415.	21.0	289
9	Two-Dimensional Tin Disulfide Nanosheets for Enhanced Sodium Storage. ACS Nano, 2015, 9, 11371-11381.	14.6	257
10	Metalâ€Nitrogenâ€Doped Carbon Materials as Highly Efficient Catalysts: Progress and Rational Design. Advanced Science, 2020, 7, 2001069.	11.2	228
11	Fish Gill Inspired Crossflow for Efficient and Continuous Collection of Spilled Oil. ACS Nano, 2017, 11, 2477-2485.	14.6	186
12	Graphene-like holey Co3O4 nanosheets as a highly efficient catalyst for oxygen evolution reaction. Nano Energy, 2016, 30, 267-275.	16.0	179
13	Auxetic and Ferroelastic Borophane: A Novel 2D Material with Negative Possionâ€™s Ratio and Switchable Dirac Transport Channels. Nano Letters, 2016, 16, 7910-7914.	9.1	176
14	Two-Dimensional Topological Insulators: Progress and Prospects. Journal of Physical Chemistry Letters, 2017, 8, 1905-1919.	4.6	170
15	Nonlithium Metalâ€“Sulfur Batteries: Steps Toward a Leap. Advanced Materials, 2019, 31, e1802822.	21.0	168
16	Cobalt oxide-based nanoarchitectures for electrochemical energy applications. Progress in Materials Science, 2019, 103, 596-677.	32.8	166
17	Dual yolk-shell structure of carbon and silica-coated silicon for high-performance lithium-ion batteries. Scientific Reports, 2015, 5, 10908.	3.3	165
18	Heteroatomâ€Doping of Nonâ€Noble Metalâ€Based Catalysts for Electrocatalytic Hydrogen Evolution: An Electronic Structure Tuning Strategy. Small Methods, 2021, 5, e2000988.	8.6	165

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19	Atomically thin non-layered nanomaterials for energy storage and conversion. Chemical Society Reviews, 2017, 46, 7338-7373.	38.1	162
20	Microbe-Assisted Assembly of Ti₃C₂T_x MXene on Fungi-Derived Nanoribbon Heterostructures for Ultrastable Sodium and Potassium Ion Storage. ACS Nano, 2021, 15, 3423-3433.	14.6	158
21	Strategies for designing metal oxide nanostructures. Science China Materials, 2017, 60, 1-24.	6.3	148
22	3D Hierarchical Rutile TiO2 and Metal-free Organic Sensitizer Producing Dye-sensitized Solar Cells 8.6% Conversion Efficiency. Scientific Reports, 2014, 4, 5769.	3.3	142
23	Janus nanoarchitectures: From structural design to catalytic applications. Nano Today, 2018, 22, 62-82.	11.9	137
24	Thermal properties of single-phase Y2SiO5. Journal of the European Ceramic Society, 2009, 29, 551-557.	5.7	136
25	Synthesis of Mesoporous TiO₂/SiO₂ Hybrid Films as an Efficient Photocatalyst by Polymeric Micelle Assembly. Chemistry - A European Journal, 2014, 20, 6027-6032.	3.3	123
26	Bismuth sulfide: A high-capacity anode for sodium-ion batteries. Journal of Power Sources, 2016, 309, 135-140.	7.8	122
27	Lowering grain boundary resistance of BaZr_{0.8}Y_{0.2}O_{3â^'Î´}with LiNO₃sintering-aid improves proton conductivity for fuel cell operation. Physical Chemistry Chemical Physics, 2011, 13, 7692-7700.	2.8	121
28	Thermal Properties and Thermal Shock Resistance of Î³â€²₂Si₂O₇. Journal of the American Ceramic Society, 2008, 91, 2623-2629.	3.8	119
29	Sinteractive anodic powders improve densification and electrochemical properties of BaZr0.8Y0.2O3â^'Î´ electrolyte films for anode-supported solid oxide fuel cells. Energy and Environmental Science, 2011, 4, 1352.	30.8	118
30	Strongly interfacial-coupled 2D-2D TiO2/g-C3N4 heterostructure for enhanced visible-light induced synthesis and conversion. Journal of Hazardous Materials, 2020, 394, 122529.	12.4	118
31	Thermal reduction of sulfur-containing MAX phase for MXene production. Chemical Engineering Journal, 2020, 395, 125111.	12.7	116
32	?-Y2Si2O7, a Machinable Silicate Ceramic: Mechanical Properties and Machinability. Journal of the American Ceramic Society, 2007, 90, 2535-2541.	3.8	111
33	Strategies for improving the lithium-storage performance of 2D nanomaterials. National Science Review, 2018, 5, 389-416.	9.5	108
34	Multiangular Rod-Shaped Na_{0.44}MnO₂ as Cathode Materials with High Rate and Long Life for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 3644-3652.	8.0	107
35	Two-dimensional metal oxide nanosheets for rechargeable batteries. Journal of Energy Chemistry, 2018, 27, 117-127.	12.9	105
36	Toward Promising Cathode Catalysts for Nonlithium Metalâ€“Oxygen Batteries. Advanced Energy Materials, 2020, 10, 1901997.	19.5	102

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37	Strongly Coupled 2D Transition Metal Chalcogenide-MXene-Carbonaceous Nanoribbon Heterostructures with Ultrafast Ion Transport for Boosting Sodium/Potassium Ions Storage. Nano-Micro Letters, 2021, 13, 113.	27.0	100
38	Recent progress on synthesis, multi-scale structure, and properties of Yâ€“Siâ€“O oxides. International Materials Reviews, 2014, 59, 357-383.	19.3	99
39	Morphology-controllable 1Dâ€“3D nanostructured TiO2bilayer photoanodes for dye-sensitized solar cells. Chemical Communications, 2013, 49, 966-968.	4.1	94
40	Low-Cost Ni₂P/Ni_{0.96}S Heterostructured Bifunctional Electrocatalyst toward Highly Efficient Overall Urea-Water Electrolysis. ACS Applied Materials & Interfaces, 2020, 12, 2225-2233.	8.0	93
41	Zr⁴⁺ Doping in Li₄Ti₅O₁₂ Anode for Lithiumâ€ion Batteries: Open Li⁺ Diffusion Paths through Structural Imperfection. ChemSusChem, 2014, 7, 1451-1457.	6.8	92
42	A dye-sensitized visible light photocatalyst-Bi24O31Cl10. Scientific Reports, 2014, 4, 7384.	3.3	91
43	Electronic Structure Tuning of 2D Metal (Hydr)oxides Nanosheets for Electrocatalysis. Small, 2021, 17, e2002240.	10.0	90
44	Two-dimensional fluorine-free mesoporous Mo2C MXene via UV-induced selective etching of Mo2Ga2C for energy storage. Sustainable Materials and Technologies, 2020, 25, e00156.	3.3	89
45	Performance modulation of Î±-MnO2 nanowires by crystal facet engineering. Scientific Reports, 2015, 5, 8987.	3.3	88
46	Bioinspired 2D Nanomaterials for Sustainable Applications. Advanced Materials, 2020, 32, e1902806.	21.0	84
47	A novel ionic diffusion strategy to fabricate high-performance anode-supported solid oxidefuel cells (SOFCs) with proton-conducting Y-doped BaZrO₃films. Energy and Environmental Science, 2011, 4, 409-412.	30.8	83
48	Electrochemical Properties and Intermediateâ€Temperature Fuel Cell Performance of Dense Yttriumâ€Doped Barium Zirconate with Calcium Addition. Journal of the American Ceramic Society, 2012, 95, 627-635.	3.8	81
49	Beyond Seashells: Bioinspired 2D Photonic and Photoelectronic Devices. Advanced Functional Materials, 2019, 29, 1901460.	14.9	78
50	Mechanical properties and damage tolerance of Y2SiO5. Journal of the European Ceramic Society, 2008, 28, 2895-2901.	5.7	73
51	2D/2D Heterostructures: Rational Design for Advanced Batteries and Electrocatalysis. Energy and Environmental Materials, 2022, 5, 115-132.	12.8	70
52	Black phosphorus nanosheets promoted 2D-TiO2-2D heterostructured anode for high-performance lithium storage. Energy Storage Materials, 2019, 19, 424-431.	18.0	69
53	Single-crystalline ultrathin 2D TiO2 nanosheets: A bridge towards superior photovoltaic devices. Materials Today Energy, 2017, 3, 32-39.	4.7	67
54	Sinteractivity, proton conductivity and chemical stability of BaZr0.7In0.3O3-Î´ for solid oxide fuel cells (SOFCs). Solid State Ionics, 2011, 196, 59-64.	2.7	66

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55	Surfaceâ€Dependent Intermediate Adsorption Modulation on Iridiumâ€Modified Black Phosphorus Electrocatalysts for Efficient pHâ€Universal Water Splitting. Advanced Materials, 2021, 33, e2104638.	21.0	65
56	Electronic Coupling and Catalytic Effect on H2 Evolution of MoS2/Graphene Nanocatalyst. Scientific Reports, 2014, 4, 6256.	3.3	64
57	A reactive copper-organophosphate-MXene heterostructure enabled antibacterial, self-extinguishing and mechanically robust polymer nanocomposites. Chemical Engineering Journal, 2022, 430, 132712.	12.7	64
58	Future antiviral surfaces: Lessons from COVID-19 pandemic. Sustainable Materials and Technologies, 2020, 25, e00203.	3.3	63
59	Carbonâ€Coated Hierarchical SnO₂ Hollow Spheres for Lithium Ion Batteries. Chemistry - A European Journal, 2016, 22, 5853-5857.	3.3	62
60	Robust superhydrophobicity of hierarchical ZnO hollow microspheres fabricated by two-step self-assembly. Nano Research, 2013, 6, 726-735.	10.4	60
61	Low-temperature synthesis and sintering of Î³-Y2Si2O7. Journal of Materials Research, 2006, 21, 1443-1450.	2.6	59
62	BaZr0.8Y0.2O3â^'Î´-NiO Composite Anodic Powders for Proton-Conducting SOFCs Prepared by a Combustion Method. Journal of the Electrochemical Society, 2011, 158, B797.	2.9	59
63	Simplest MOF Units for Effective Photodriven Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2018, 140, 9159-9166.	13.7	59
64	Molybdenumâ€Promoted Surface Reconstruction in Polymorphic Cobalt for Initiating Rapid Oxygen Evolution. Advanced Energy Materials, 2022, 12, 2103247.	19.5	59
65	Manipulating the Architecture of Atomically Thin Transition Metal (Hydr)oxides for Enhanced Oxygen Evolution Catalysis. ACS Nano, 2018, 12, 1878-1886.	14.6	57
66	Fish-scale bio-inspired multifunctional ZnO nanostructures. NPG Asia Materials, 2015, 7, e232-e232.	7.9	56
67	Two-Dimensional Bismuth Oxide Heterostructured Nanosheets for Lithium- and Sodium-Ion Storages. ACS Applied Materials & Interfaces, 2019, 11, 28205-28212.	8.0	52
68	Modulating the Electronic Structure of FeCo Nanoparticles in Nâ€Doped Mesoporous Carbon for Efficient Oxygen Reduction Reaction. Advanced Science, 2022, 9, e2200394.	11.2	52
69	Two-step self-assembly of hierarchically-ordered nanostructures. Journal of Materials Chemistry A, 2015, 3, 11688-11699.	10.3	51
70	Conversion of Catalytically Inert 2D Bismuth Oxide Nanosheets for Effective Electrochemical Hydrogen Evolution Reaction Catalysis via Oxygen Vacancy Concentration Modulation. Nano-Micro Letters, 2022, 14, 90.	27.0	51
71	Bioâ€Inspired Multifunctional Metallic Foams Through the Fusion of Different Biological Solutions. Advanced Functional Materials, 2014, 24, 2721-2726.	14.9	46
72	Characterization of atomic defects on the photoluminescence in twoâ€dimensional materials using transmission electron microscope. InformaÄnÃ-MateriÃ¡ly, 2019, 1, 85-97.	17.3	46

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73	Atomically thin Co ₃ O ₄ nanosheet-coated stainless steel mesh with enhanced capacitive Na ⁺ storage for high-performance sodium-ion batteries. 2D Materials, 2017, 4, 015022.	4.4	44
74	Fe-doping induced localized amorphization in ultrathin Î±-Ni(OH)₂ nanomesh for superior oxygen evolution reaction catalysis. Journal of Materials Chemistry A, 2021, 9, 14372-14380.	10.3	44
75	Preparation of Reticulated MAXâ€Phase Support with Morphologyâ€Controllable Nanostructured Ceria Coating for Gas Exhaust Catalyst Devices. Journal of the American Ceramic Society, 2010, 93, 2591-2597.	3.8	42
76	Honeycombâ€Inspired Heterogeneous Bimetallic Coâ€“Mo Oxide Nanoarchitectures for Highâ€Rate Electrochemical Lithium Storage. Small Methods, 2019, 3, 1900055.	8.6	40
77	Uncoupled surface spin induced exchange bias in Î±-MnO2 nanowires. Scientific Reports, 2014, 4, 6641.	3.3	39
78	Theoretically Manipulating Quantum Dots on Two-Dimensional TiO₂ Monolayer for Effective Visible Light Absorption. ACS Applied Materials & Interfaces, 2017, 9, 8255-8262.	8.0	39
79	3D sandwiched nanosheet of MoS2/C@RGO achieved by supramolecular self-assembly method as high performance material in supercapacitor. Journal of Alloys and Compounds, 2019, 777, 1176-1183.	5.5	38
80	Surface Chemistry, Dispersion Behavior, and Slip Casting of Ti₃AlC₂ Suspensions. Journal of the American Ceramic Society, 2009, 92, 1695-1702.	3.8	37
81	Improved photovoltaic performance of dye-sensitized solar cells with modified self-assembling highly ordered mesoporous TiO2 photoanodes. Journal of Materials Chemistry, 2012, 22, 11711.	6.7	37
82	A germanium/single-walled carbon nanotube composite paper as a free-standing anode for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 4613.	10.3	37
83	2D/2D Black Phosphorus/Nickel Hydroxide Heterostructures for Promoting Oxygen Evolution via Electronic Structure Modulation and Surface Reconstruction. Advanced Energy Materials, 2022, 12, .	19.5	37
84	Effect of LiYO₂ on the synthesis and pressureless sintering of Y₂SiO₅. Journal of Materials Research, 2008, 23, 732-736.	2.6	36
85	Three-Dimensional Fast Na-Ion Transport in Sodium Titanate Nanoarchitectures via Engineering of Oxygen Vacancies and Bismuth Substitution. ACS Nano, 2021, 15, 13604-13615.	14.6	36
86	Amorphization by dislocation accumulation in shear bands. Acta Materialia, 2009, 57, 2851-2857.	7.9	34
87	Tetragonal bismuth bilayer: a stable and robust quantum spin hall insulator. 2D Materials, 2015, 2, 045010.	4.4	34
88	In Search of Excellence: Convex versus Concave Noble Metal Nanostructures for Electrocatalytic Applications. Advanced Materials, 2021, 33, e2004554.	21.0	34
89	Position preference and diffusion path of an oxygen ion in apatite-type lanthanum silicate La9.33Si6O26: a density functional study. Journal of Materials Chemistry, 2011, 21, 3234.	6.7	33
90	Carbonâ€“Phosphorus Bonds-Enriched 3D Graphene by Self-Sacrificing Black Phosphorus Nanosheets for Elevating Capacitive Lithium Storage. ACS Applied Materials & Interfaces, 2020, 12, 21720-21729.	8.0	33

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91	Continually adjustable oriented 1D TiO2 nanostructure arrays with controlled growth of morphology and their application in dye-sensitized solar cells. CrystEngComm, 2012, 14, 5472.	2.6	32
92	Chitosan-Confined Synthesis of N-Doped and Carbon-Coated Li₄Ti₅O₁₂Nanoparticles with Enhanced Lithium Storage for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2018, 165, A1046-A1053.	2.9	32
93	Construction of 2D lateral pseudoheterostructures by strain engineering. 2D Materials, 2017, 4, 025102.	4.4	31
94	Kinetics and Mechanism of Hot Corrosion of Î³â€Y₂Si₂O₇ in Thinâ€Film Na₂SO₄ Molten Salt. Journal of the American Ceramic Society, 2008, 91, 2236-2242.	3.8	30
95	In situ interface engineering for probing the limit of quantum dot photovoltaic devices. Nature Nanotechnology, 2019, 14, 950-956.	31.5	30
96	Portable Dualâ€Modular Immunosensor Constructed from Bimetallic Metalâ€“Organic Framework Heterostructure Grafted with Enzymeâ€Mimicking Label for Rosiglitazone Detection. Advanced Functional Materials, 2022, 32, .	14.9	30
97	Architecture designed ZnO hollow microspheres with wide-range visible-light photoresponses. Journal of Materials Chemistry C, 2013, 1, 6924.	5.5	29
98	Critical thickness of a surface-functionalized coating for enhanced lithium storage: a case study of nanoscale polypyrrole-coated FeS₂ as a cathode for Li-ion batteries. Nanoscale, 2019, 11, 16277-16283.	5.6	27
99	Bambooâ€Membrane Inspired Multilevel Ultrafast Interlayer Ion Transport for Superior Volumetric Energy Storage. Advanced Functional Materials, 2021, 31, 2100299.	14.9	27
100	Cyclic-Oxidation Behavior of Ti3SiC2-Base Material at 1100Â°C. Oxidation of Metals, 2002, 57, 379-394.	2.1	26
101	Aqueous Colloidal Stability Evaluated by Zeta Potential Measurement and Resultant <scp><scp>TiO</scp></scp>₂ for Superior Photovoltaic Performance. Journal of the American Ceramic Society, 2013, 96, 2636-2643.	3.8	26
102	Hot corrosion of Î³-Y2Si2O7 in strongly basic Na2CO3 molten salt environment. Journal of the European Ceramic Society, 2008, 28, 259-265.	5.7	25
103	Deliberate Design of TiO₂ Nanostructures towards Superior Photovoltaic Cells. Chemistry - A European Journal, 2016, 22, 11357-11364.	3.3	25
104	2D ferroelectric devices: working principles and research progress. Physical Chemistry Chemical Physics, 2021, 23, 21376-21384.	2.8	25
105	Bioinspired Materials for Energy Storage. Small Methods, 2022, 6, e2101076.	8.6	25
106	Worldwide outdoor round robin study of organic photovoltaic devices and modules. Solar Energy Materials and Solar Cells, 2014, 130, 281-290.	6.2	23
107	Nano Polymorphismâ€Enabled Redox Electrodes for Rechargeable Batteries. Advanced Materials, 2021, 33, e2004920.	21.0	23
108	Charge carrier exchange at chemically modified graphene edges: a density functional theory study. Journal of Materials Chemistry, 2012, 22, 8321.	6.7	22

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109	How to achieve maximum charge carrier loading on heteroatom-substituted graphene nanoribbon edges: density functional theory study. Journal of Materials Chemistry, 2012, 22, 13751.	6.7	22
110	Structurally stabilized mesoporous TiO2 nanofibres for efficient dye-sensitized solar cells. APL Materials, 2013, 1, .	5.1	22
111	Chemically modified ribbon edge stimulated H2 dissociation: a first-principles computational study. Physical Chemistry Chemical Physics, 2013, 15, 8054.	2.8	22
112	Fly compound-eye inspired inorganic nanostructures with extraordinary visible-light responses. Materials Today Chemistry, 2016, 1-2, 84-89.	3.5	22
113	Advances in In Situ Techniques for Characterization of Failure Mechanisms of Liâ€Ion Battery Anodes. Advanced Sustainable Systems, 2018, 2, 1700182.	5.3	20
114	Novel synthesis of superparamagnetic Niâ€“Coâ€“B nanoparticles and their effect on superconductor properties of MgB2. Acta Materialia, 2014, 70, 298-306.	7.9	19
115	Naphthalene Diimide-Ethylene Conjugated Copolymer as Cathode Material for Lithium Ion Batteries. Journal of the Electrochemical Society, 2017, 164, A290-A294.	2.9	19
116	Platinum dendritic nanoparticles with magnetic behavior. Journal of Applied Physics, 2014, 116, .	2.5	18
117	3D Fe2(MoO4)3 microspheres with nanosheet constituents as high-capacity anode materials for lithium-ion batteries. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	18
118	Hydrolysis and Dispersion Properties of Aqueous Y₂Si₂O₇ Suspensions. Journal of the American Ceramic Society, 2009, 92, 54-61.	3.8	17
119	Tribological properties of Î³-Y2Si2O7 ceramic against AISI 52100 steel and Si3N4 ceramic counterparts. Wear, 2009, 266, 960-967.	3.1	17
120	Theoretically designed metal-welded carbon nanotubes: Extraordinary electronic properties and promoted catalytic performance. Nano Energy, 2017, 32, 209-215.	16.0	17
121	Bioinspired Robust Mechanical Properties for Advanced Materials. Small Structures, 2022, 3, .	12.0	17
122	The oxygen migration in the apatite-type lanthanum silicate with the cation substitution. Physical Chemistry Chemical Physics, 2013, 15, 17553.	2.8	16
123	In-situ One-step Hydrothermal Synthesis of a Lead Germanate-Graphene Composite as a Novel Anode Material for Lithium-Ion Batteries. Scientific Reports, 2014, 4, 7030.	3.3	16
124	H₂S Sensing and Splitting on Atomâ€Functionalized Carbon Nanotubes: A Theoretical Study. Advanced Theory and Simulations, 2018, 1, 1700033.	2.8	15
125	In Situ Atomic-Scale Study on the Ultralarge Bending Behaviors of TiO₂â€“B/Anatase Dual-Phase Nanowires. Nano Letters, 2019, 19, 7742-7749.	9.1	15
126	Confined interfacial micelle aggregating assembly of ordered macroâ€“mesoporous tungsten oxides for H₂S sensing. Nanoscale, 2020, 12, 20811-20819.	5.6	15

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127	High-mobility anisotropic transport in few-layer Î³-B₂₈films. Nanoscale, 2016, 8, 20111-20117.	5.6	14
128	2D Metal Oxides: Twoâ€Dimensional Metal Oxide Nanomaterials for Nextâ€Generation Rechargeable Batteries (Adv. Mater. 48/2017). Advanced Materials, 2017, 29, 1770344.	21.0	14
129	Tailoring Texture of Î³â€Y₂Si₂O₇ by Strong Magnetic Field Alignment and Twoâ€Step Sintering. Journal of the American Ceramic Society, 2008, 91, 2521-2528.	3.8	12
130	Donor-acceptor codoping effects on tuned visible light response of TiO2. Journal of Environmental Chemical Engineering, 2020, 8, 104168.	6.7	12
131	Phase engineering activation of low-cost iron-containing sulfide minerals for advanced electrocatalysis. Journal of Materials Science and Technology, 2022, 111, 181-188.	10.7	12
132	Phase engineering of dual active 2D Bi₂O₃-based nanocatalysts for alkaline hydrogen evolution reaction electrocatalysis. Journal of Materials Chemistry A, 2022, 10, 808-817.	10.3	10
133	Preparation of <scp><scp>Y</scp></scp>₂<scp><scp>Si</scp></scp>₂<scp><scp>O</scp></scp>₇/<scp><scp>Composites and Their Composition â€“ Mechanical Properties â€“ Tribology Relationships. Journal of the American Ceramic Society, 2013, 96, 3228-3238.	3.8	9
134	Electrophoretic Deposition of Ti₃Si(Al)C₂ from Aqueous Suspension. Journal of the American Ceramic Society, 2010, 93, 1916-1921.	3.8	8
135	First Exploration on Electrochemical Activation of Lowâ€Cost Albite Mineral for Boosting Lithium Storage Capability. Advanced Sustainable Systems, 2020, 4, 2000057.	5.3	8
136	Simultaneous atomic-level visualization and high precision photocurrent measurements on photoelectric devices by in situ TEM. RSC Advances, 2018, 8, 948-953.	3.6	7
137	Channelled Porous TiO₂ Synthesized with a Waterâ€inâ€Oil Microemulsion. Chemistry - A European Journal, 2014, 20, 10451-10455.	3.3	6
138	Oriented assembly of monomicelles in beam stream enabling bimodal mesoporous metal oxide nanofibers. Science China Materials, 2021, 64, 2486-2496.	6.3	6
139	Crystal Channel Engineering for Rapid Ion Transport: From Nature to Batteries. Chemistry - A European Journal, 2022, 28, .	3.3	6
140	Atomic-scale investigation on the ultra-large bending behaviours of layered sodium titanate nanowires. Nanoscale, 2019, 11, 11847-11855.	5.6	5
141	Bioinspired 2D Nanomaterials: Bioinspired 2D Nanomaterials for Sustainable Applications (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Ov	21.0	5
142	Atomistic Mechanisms of Ultralarge Bending Deformation of Single-Crystalline TiO2â€“B Nanowires. Journal of Physical Chemistry C, 2020, 124, 11174-11182.	3.1	5
143	MAXâ€phase Derived Tin Diselenide for 2D/2D Heterostructures with Ultralow Surface/Interface Transport Barriers toward Liâ€/Naâ€ions Storage. Small Methods, 2022, 6, .	8.6	5
144	Vacuum Ultraviolet/Atomic Oxygen Erosion Resistance of Amorphous Si0.26C0.43N0.31 Coating. Journal of Spacecraft and Rockets, 2011, 48, 507-512.	1.9	3

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145	Superhydrophobic Materials: Fly-Eye Inspired Superhydrophobic Anti-Fogging Inorganic Nanostructures (Small 15/2014). Small, 2014, 10, 3000-3000.	10.0	3
146	Two-dimensional metal oxide nanomaterials for sustainable energy applications. , 2020, , 39-72.		3
147	In Situ Growth of Transition Metal Nanoparticles on Aluminosilicate Minerals for Oxygen Evolution. Advanced Energy and Sustainability Research, 2021, 2, 2100057.	5.8	3
148	Exceptional Deformability of Wurtzite Zinc Oxide Nanowires with Growth Axial Stacking Faults. Nano Letters, 2021, 21, 4327-4334.	9.1	3
149	Nanomaterials and Composites for Energy Conversion and Storage. Jom, 2021, 73, 2752-2753.	1.9	3
150	Reversible Switching of the Amphiphilicity of Organicâ€“Inorganic Hybrids by Adsorptionâ€“Desorption Manipulation. Journal of Physical Chemistry C, 2019, 123, 21097-21102.	3.1	1
151	Effect of Fe-doping on bending elastic properties of single-crystalline rutile TiO2 nanowires. Nanoscale Advances, 2020, 2, 2800-2807.	4.6	1
152	Molybdenumâ€Promoted Surface Reconstruction in Polymorphic Cobalt for Initiating Rapid Oxygen Evolution (Adv. Energy Mater. 5/2022). Advanced Energy Materials, 2022, 12, .	19.5	1
153	Surface Chemistry: Bio-Inspired Multifunctional Metallic Foams Through the Fusion of Different Biological Solutions (Adv. Funct. Mater. 18/2014). Advanced Functional Materials, 2014, 24, 2720-2720.	14.9	0
154	Magnetic Characterization of Nanodendritic Platinum. , 2017, , 431-456.		0
155	Frontispiece: Crystal Channel Engineering for Rapid Ion Transport: From Nature to Batteries. Chemistry - A European Journal, 2022, 28, .	3.3	0